CSUDH

CALIFORNIA STATE UNIVERSITY, DOMINGUEZ HILLS

Introduction

Thank you for filling out the CHEM 110 First Day of Class Survey!

The purpose of this survey is to get to know you before we start delving into the exciting topics covered in this course. I am committed to improving your CHEM 110 experience by incorporating into the course student centered equitable pedagogy that celebrates our community cultural wealth. As part of this effort, I would like to invite you to share your experiences and access needs with me and provide valuable input on the course. Participation in this survey will NOT impact your course grade in any way; however, your participation is greatly valued as we build a robust learning community together. This survey will take roughly 5-10 minutes to complete. Your responses will be kept confidential, and any identifying information will be removed should we use your response for course development. If you are

willing to participate, please continue to complete this survey.

If you have any questions or concerns about the survey, please feel free to contact me via email: Dr. Song (Ted) Wang (sowang@csudh.edu)

PLEASE NOTE----------

By clicking "Next" below, you acknowledge that you have read the information above and that you consent to participate in the CHEM 110 improvement project. Thank you for your time!

Contact and General Information

Your csudh.edu email address

Your first name

Please include a note about pronunciation here if you like

Your last name

Please include a note about pronunciation here if you like

Your preferred name

Please include a note about pronunciation here if you like

Your preferred pronouns

Please indicate which pronouns you use and would like others to use when referring to you during class

- [ ] She/Her/Hers
- [ ] He/Him/His
- [ ] They/Them/Theirs
- [ ] Please specify if your pronouns are not listed above

Your hometown

Where did you grow up?

Current major/academic program, or a note about what you are considering

Minor or certificate, or a note about what you are considering (if applicable)

What, if any, jobs, sports, or extracurricular activities are you involved in (on or off campus)?
Please feel free to include a note about what kind of time commitments these activities require of you.

What other courses are you taking this semester?

What do you hope to learn in this course?

What grade do you hope to earn in this course?

- A
- B
- C
- Other

What are your biggest concerns about this course?

Community, culture, and identity

What are some communities to which you feel a sense of belonging? (e.g., groups, places, clubs, organizations, etc.)

What are some cultural identities that are important to you?

What are the languages that you use at home (i.e., home language or L1)?

What are some other languages that you use in your daily life?

Are there any chemical practices or phenomena in your culture or heritage that you find intriguing? (e.g., making kimchi or fermented cabbage)

What are some problems related to chemistry that are significant in your communities? (e.g., water quality in Flint, Michigan)

What are some potential ethical or environmental concerns related to chemistry that are relevant to your communities? (e.g., chemical spill caused by train derailment in Ohio)

Are there any cultural or historical figures in chemistry that you find inspiring or relatable?

Are there any personal stories or meaningful experiences related to chemistry or science that you would like to share?

Technology and accessibility

Do you have your own computer, or unlimited access to a computer, that you can use for things like online office hour, downloading readings, accessing library databases for research processes, and peer review during the semester?

- ○ Yes
- ○ No
- ○ I have a computer that I can use, but not unlimited access to it.
- ○ Other

Do you have reliable internet access from your place of residence during the semester?

- ○ Yes
- ○ No

- ( ) I don't know
- ( ) Other [ ]

Are you willing and able to use Zoom, or another free video/audio-conferencing platform that would enable us to meet virtually by all logging into the same call at a set time? Please select all the answers that apply.

- [ ] Yes, I have reliable internet and a computer with streaming video/audio capacity.
- [ ] Maybe, I'm not sure if my internet and/or computer can handle it.
- [ ] No, I don't have adequate internet access for this kind of use.
- [ ] No, I don't have access to a computer with audio/video capacity.
- [ ] Other [ ]

Do you expect to have reliable internet access and equipment for READING and POSTING TEXT content via Canvas or another online platform?

- ( ) Yes

- [ ] No
- [ ] Other

Do you expect to have reliable internet access, appropriate for LISTENING TO online streaming AUDIO content via Canvas or another platform?

- [ ] Yes
- [ ] No
- [ ] Other

Do you expect to have reliable internet access, appropriate for WATCHING online streaming VIDEO content via Canvas or another platform?

- [ ] Yes
- [ ] No
- [ ] Other

What kind of device(s) do you expect to use for this course – to write, record audio/video, and read/listen to/watch course content in Canvas and other online platforms?

- [ ] Desktop computer
- [ ] Laptop
- [ ] Tablet/iPad
- [ ] Smartphone
- [ ] Phone without internet access
- [ ] Other

I recognize that everyone learns best under different circumstances. Do you have any accessibility requests for me regarding teaching? For example, materials available in a particular format, transcriptions, specific approaches to discussion boards, a preference of video discussion vs. discussion boards, etc.?

Do you have any additional questions or concerns that you would like to share with me?

Block 4

Thank you for filling out the survey!

CSUDH

CALIFORNIA STATE UNIVERSITY, DOMINGUEZ HILLS

Introduction

CHE 110 Post-Exam Reflections

Thank you for engaging with this post-exam reflection. This activity includes a series of questions designed to help you reflect on your exam performance and, more importantly, help you to analyze your exam performance and find strategies that work best for you in learning the material for this course. Self-assessing your progress and adjusting your study strategies accordingly is an effective strategy to improve exam performance. Please answer the questions below sincerely. **Your responses will have no negative impact on your grade, and you will receive 5 points extra credit for completing this reflection (your grade on the exam will not exceed full**

credit). Your response will inform the instructional team about how we can best support your learning.

General Information

Your first and last name

How do you feel about your performance on this exam?

- ○ Great \(≧∇≦)/
- ○ Good (^_^)
- ○ Okay (=_=)
- ○ Not so good (._.)
- ○ Other

Study Habits

Approximately how many hours did you spend preparing for this exam?

- ○ 0~2
- ○ 2~5
- ○ 5~8
- ○ 8~12
- ○ 12+

Approximately how many days did you spend time on preparing for this exam?

- ○ 0~1
- ○ 1~3
- ○ 3~5
- ○ 5+

Which of the following activities are a part of your exam preparation?

- ☐ Skimming textbook chapters without taking notes

- [ ] Reading textbook chapters thoroughly and taking notes
- [ ] Reviewing your own notes
- [ ] Reviewing notes on Canvas
- [ ] Reviewing worksheet and quiz problems
- [ ] Working on practice exam problems
- [ ] Going to TLTC tutoring sessions and office
- [ ] ~~hour~~hours Other

Which of the following activities accounts for ~~the most~~most of your exam preparation time?

- ○ Skimming textbook chapters without taking notes
- ○ Reading textbook chapters thoroughly and taking notes
- ○ Reviewing your own notes
- ○ Reviewing notes on Canvas
- ○ Reviewing worksheet and quiz problems
- ○ Working on practice exam problems
- ○ Going to TLTC tutoring sessions and office
- ○ ~~hour~~hours Other

What are 2-3 things that you plan to do differently when preparing for the next exam? Please be as specific as you can.

Exam Reflection

As you look over your graded exam, which of the following presented challenges for your exam performance?

- [ ] Trouble understanding a concept
- [ ] Trouble applying a concept
- [ ] Trouble locating information needed to solve a problem
- [ ] Trouble strategizing how to solve a problem
- [ ] Trouble carrying out quantitative analysis
- [ ] Careless mistakes
- [ ] Other

As you look over your graded exam, which of the following presented the greatest challenge for your exam performance?

- ○ Trouble understanding a concept
- ○ Trouble applying a concept
- ○ Trouble locating information needed to solve a problem
- ○ Trouble strategizing how to solve a problem
- ○ Trouble carrying out quantitative analysis
- ○ Careless mistakes
- ○ Other [ ]

What topic(s) do you feel most confident on this exam?

[ ]

What topic(s) do you find most challenging on this exam?

[ ]

What are some other challenges that you've ~~exprienced~~experienced in this exam?

Feedback on Instruction

Which activities in class do you find most helpful for your learning?

- Lecture
- Going over worksheet and quiz problems
- Doing worksheets in groups
- Group activities (e.g., jigsaw~~activities (e.g. jigsaw~~ activity)
- Other

Which activities in class do you find least helpful for your learning?

- Lecture
- Going over worksheet and quiz problems

- [ ] Doing worksheets in groups
- [ ] Group activities (e.g., jigsaw~~activities (e.g. jigsaw~~ activity)
- [ ] Other

What are some things and activities that you would like to see added to our class sessions to help support your learning and your preparation for the next exam?

~~Are~~Is there anything else that you would like to share?

Exam Correction

Please correct your exam and upload your corrections. Come to office hour and TLTC SI sessions if you would like assistance in

correcting your exam.

Powered by Qualtrics



Powered by Qualtrics

Thermochemistry Group Activity

Part I: Heat and Temperature

In your groups, please engage with simulation and answer the following questions:

1. When you heat the iron block, what happens to its temperature?
2. Place the heated iron block on top of the brick block, what happens to the temperature of both blocks?
3. Heat the iron block and place the heated iron block into water, what happens to the temperatures of both? Which temperature is changing faster?
4. Place the iron block in water and heat the container for 30s, what is the difference between how the temperature of the iron block and that of the water change?
5. Remove the container from heat and take out the iron block, what is the difference between how the temperature of the iron block and that of the water change?
6. Link the heaters, place water ~~on~~in one heater and olive oil i~~o~~n the other. As you heat the two liquids, what is the difference between how the temperatures change?
7. Reflect on your answers to the questions above, what can you say about the relationship between heat, temperature, and types of matter?

Part II: Systems of energy conversion

In your groups, manipulate the system so it will perform the following types of energy conversions:

Kinetic → Heat	Heat → Light	Light → Heat	Heat → Kinetic
Potential → Kinetic	Kinetic → Light	Potential → Heat	